|  | Index of Claims           |               |                 |              |        |           |           |          |          |              |                 |          |               | Application No. |                 |              |           |              |                    |                          |          |                   | Applicant(s)     |         |                 |                |          |                |   |
|--|---------------------------|---------------|-----------------|--------------|--------|-----------|-----------|----------|----------|--------------|-----------------|----------|---------------|-----------------|-----------------|--------------|-----------|--------------|--------------------|--------------------------|----------|-------------------|------------------|---------|-----------------|----------------|----------|----------------|---|
|  |                           |               |                 |              |        |           |           |          |          |              |                 |          | 1             | 10/053,679      |                 |              |           |              |                    |                          |          |                   | SMITH, ROBERT J. |         |                 |                |          |                |   |
|  |                           |               |                 |              |        |           |           |          |          |              |                 |          | Examiner      |                 |                 |              |           |              |                    |                          |          |                   | Art Unit         |         |                 |                |          |                |   |
|  |                           |               |                 |              |        |           |           |          |          |              |                 | ١,       | Aquatia Palla |                 |                 |              |           |              |                    |                          |          | 0000              |                  |         |                 |                |          |                |   |
|  |                           |               |                 |              |        |           |           |          |          |              |                 |          |               |                 | Agustin Bello   |              |           |              |                    |                          |          |                   |                  | 2633    |                 |                |          | İ              |   |
|  | / Rejected (Through numer |               |                 |              |        |           |           |          |          | aral\        | $\overline{}$   | ſ        | Т             |                 |                 |              |           |              | П                  |                          |          |                   |                  |         |                 |                |          |                |   |
|  |                           |               | ۱ ا             | Rejected     |        |           |           |          | -        | Cancelled    |                 |          | si aij        | a",             |                 | N            | Non-Elect |              |                    | ted                      |          | $ _{\mathbf{A}} $ | Appeal           |         |                 |                |          |                |   |
|  |                           |               |                 | Allowed      |        |           | 1         |          | $\dashv$ |              |                 |          |               |                 | Ì               |              |           |              |                    | 7                        | ╁        |                   |                  |         |                 |                |          |                |   |
|  |                           |               | =               |              |        |           |           |          | ÷        | Restricted   |                 |          |               |                 | 1               | Interferen   |           | ice          |                    | 0                        | Objected |                   |                  |         |                 |                |          |                |   |
|  |                           |               |                 |              |        |           |           |          |          | _            |                 | Claim    |               |                 |                 | _            |           |              |                    |                          | ,<br>    |                   |                  |         |                 |                | ı        |                |   |
|  | Cla                       | aim<br>_      |                 | Date         |        |           | te<br>T   |          |          | $\dashv$     | Cla             |          | Ьт            | Т               |                 | ate          | Т         | <del> </del> |                    | Claim<br>_               |          | Н                 | Date             |         | $\dashv$        | ı              |          |                |   |
|  | Final                     | Original      | 12/11/04        |              |        |           |           |          |          |              | Final           | Original | 12/11/04      |                 |                 |              |           |              |                    |                          | Final    | Original          |                  |         |                 |                |          |                | ı |
|  | i i I                     | ő             | 12/             |              |        | ľ         |           |          |          | İ            | 证               | ŏ        | 12/           |                 |                 |              |           | -            |                    |                          | Œ        | Ö                 |                  |         |                 |                | 11       |                | ı |
|  |                           | 1             | 1               |              |        | t         |           |          |          |              |                 | 51       | 1             |                 |                 |              | 1         | 士            | $\perp$            | ] [                      |          | 101               |                  |         |                 |                |          | $\Box$         | ı |
|  |                           | 3             | H               | $\dashv$     | +      | ╬         | +         | Н        | +        | 4.           | <u> </u>        | 52<br>53 | +             | +               | $\sqcup$        | 4            | -         | +            | ╀                  |                          |          | 102<br>103        | $\vdash$         | $\perp$ | $\sqcup$        | +              | ++       |                | l |
|  |                           | 4             |                 |              |        | 1         | +         |          |          | _            |                 | 54       | 1             | +               | $\Box$          |              | 1         | +            | $\dagger$          | 1:                       |          | 103               | H                | +       | +               | -              | ++       |                |   |
|  |                           | 5             |                 |              |        | _         | 1         |          | $\Box$   | ٦.           |                 | 55       |               | $\perp$         | П               | $\prod$      | 4         | $\bot$       | Ŧ                  | ]                        |          | 105               |                  | 1       |                 | 1              |          | 1              |   |
|  | $\vdash$                  | <u>6</u><br>7 | H               | $\dashv$     | ╁      | ╁         | +         | Н        | +        | -            | -               | 56<br>57 | +             | +               | $\vdash$        | +            | +         | +            | ╁                  | $\left\{ \cdot \right\}$ |          | 106<br>107        | H                | +       | +               | +              | ++       | +              |   |
|  |                           | 8             | П               | $\Box$       | $\bot$ | Ţ         |           |          | #        | ] •          |                 | 58       | #             |                 | П               |              |           |              |                    |                          |          | 108               |                  |         |                 |                |          |                |   |
|  |                           | 9<br>10       | Н               | $\dashv$     |        | +         | ╀╌        | Н        |          | $\dashv$     |                 | 59<br>60 | +             | +               | $\mathbb{H}$    | +            | +         | +            | +                  |                          |          | 109<br>110        | $\vdash$         | -       | ╂╌╂             |                | +        | +              |   |
|  |                           | 11            |                 |              |        |           |           |          |          | <b>]</b> , : |                 | 61       |               |                 | Ц               |              | 士         |              |                    | 1 1                      |          | 111               |                  | 土       |                 |                |          |                |   |
|  |                           | 12<br>13      | Ш               | $\dashv$     | +-     | +         | +-        | Н        | -        | -            | -               | 62<br>63 | +             | +               | Н               | 4            | $\dashv$  | _            | +                  | -0.4                     |          | 112<br>113        | $\dashv$         | _       | +-1             | _              | +        | $\dashv$       |   |
|  |                           | 14            | Ш               |              | 士      | t         |           |          |          | ╛            |                 | 64       |               |                 |                 | $\dagger$    | +         | $\top$       | $\dagger$          | - 10 mg                  |          | 114               |                  | _       | $\forall$       | +              | 1+       | +              |   |
|  |                           | 15<br>16      |                 | _            | 4      | Ļ         | -         |          | - -      | ].           |                 | 65<br>66 | $\prod$       | -               |                 | $\perp$      | 4         | Ŧ            | Ţ                  |                          |          | 115               |                  | $\perp$ |                 | $\blacksquare$ |          | $\Box$         |   |
|  |                           | 17            |                 | +            | +      |           | ╁╌        | Н        | 1        | ┪.           | -               | 67       | $\mathbf{H}$  |                 |                 | +            | 十         | -            | +                  |                          |          | 116<br>117        | $\vdash$         | +-      | $\vdash$        | +-             | ╁┼       | +              |   |
|  |                           | 18            | $\prod$         | 4            |        | 1         |           |          |          | ]::::        |                 | 68       |               | 1               |                 | $\Box$       | $\Box$    |              |                    |                          |          | 118               |                  |         |                 |                |          | $\blacksquare$ |   |
|  | $\vdash$                  | 19<br>20      | H               | +            | +      | +         | ╁         | H        | +        | -            | -               | 69<br>70 | $\mathbf{H}$  | -               | Н               | $\dashv$     | -         | +            | +-                 | n. dha                   |          | 119<br>120        | $\dashv$         | +       | +-              | +              | ++       | +              |   |
|  |                           | 21            |                 |              | I      | Ţ         |           |          | 4        | ]#.          |                 | 71       |               |                 |                 | $\Box$       |           |              | I                  | 1                        |          | 121               |                  |         |                 | 土              |          |                |   |
|  |                           | 22<br>23      |                 | -            | +      | +         | +         | $\vdash$ | +        | -            | _               | 72<br>73 | +             | +               | $\vdash$        | $\dashv$     | -         | +            | +                  | -                        |          | 122<br>123        | $\dashv$         | -       | $\dashv$        | -              | ++       | +              |   |
|  |                           | 24            |                 |              |        |           |           |          |          | ]            |                 | 74       |               |                 |                 | $\exists$    | $\exists$ |              |                    | ] [                      |          | 124               |                  |         |                 |                |          | 丗              |   |
|  | -                         | 25<br>26      | $\mathbb{H}$    | +            | +      | +         | +-        | $\vdash$ | -        | -            |                 | 75<br>76 | ╂┼            | +               | $\vdash$        | 4            | 4         | +            | +                  |                          |          | 125<br>126        | -                | -       | $\vdash$        |                | ╂        | $\dashv$       |   |
|  |                           | 27            |                 |              |        |           | $\perp$   |          |          | jy           |                 | 77       | $\perp$       | $\dagger$       |                 | $\pm$        | $\perp$   | +            | +                  |                          |          | 127               | $\dashv$         | +       | $\vdash$        | +              | ++       | +              |   |
|  | <u> </u>                  | 28<br>29      | $ar{\parallel}$ | -+           | -      | +         | -         | П        | _        | 4            |                 | 78<br>79 | 44            | 4               |                 | $\dashv$     | $\dashv$  |              | $\perp$            | ]::[                     |          | 128               |                  |         |                 |                | ļļ.      | $\Box$         |   |
|  |                           | 30            |                 | 十            | +      | +         |           |          | +        | $\exists$    | $\vdash$        | 80       | ╫             | +               | $\vdash$        | +            | $\dashv$  | +            | +                  |                          | -        | 129<br>130        | $\dashv$         |         | $\vdash$        |                | ++       | +              |   |
|  |                           | 31            | $\prod$         |              |        | Γ         |           |          |          |              |                 | 81       | П             |                 |                 | _            | #         |              | T                  | ]:[                      |          | 131               |                  |         | $\Box$          |                |          |                |   |
|  |                           | 32<br>33      | H               | +            | +      | ╁         | ╁-        | Н        |          | 3.           | _               | 82<br>83 | ╫             | +               | $\vdash$        | +            | +         |              | ╁                  | ┨╢                       |          | 132<br>133        |                  |         | 1-1             | +              | ++       | $oldsymbol{+}$ |   |
|  |                           | 34            |                 |              |        | 上         |           |          |          | <b>]</b> ;.  |                 | 84       |               |                 |                 |              | 1         |              | $^{\dagger}$       |                          |          | 134               |                  |         |                 |                |          | 世              |   |
|  |                           | 35<br>36      | $\mathbb{H}$    |              | +      | +         | +         | $\dashv$ | $\dashv$ |              | <u> </u>        | 85<br>86 | ╫             | -               | $\vdash$        | 4            | +         | -            | ╀                  |                          |          | 135<br>136        |                  | +       | $\vdash$        | 4              | $\vdash$ | $\perp$        |   |
|  |                           | 37            |                 |              |        |           |           |          |          |              |                 | 87       | $\perp$       |                 | $\Box$          | 1            | 1         |              | $\perp$            |                          |          | 137               |                  | +       |                 | +              | ++       | ╁┪             |   |
|  |                           | 38<br>39      | $oxed{H}$       | -            | +      | -         |           | $\vdash$ | -        | -            | <b>_</b>        | 88<br>89 | V             | -               | $\sqcup$        | -            | $\dashv$  |              | $oldsymbol{\perp}$ | -                        |          | 138               |                  |         | П               |                |          | $\Box$         |   |
|  |                           | 40            | $\mathbf{H}$    | $\dashv$     | ╁      | $\dagger$ |           | $\dashv$ | +        |              |                 | 90       | *             |                 | $\vdash$        | +            | +         | +            | +                  | -                        | -        | 139<br>140        | +                |         | $\vdash$        | +              | +        | +              |   |
|  | $\Box$                    | 41<br>42      | $\prod$         | $\top$       | 1      | Г         | П         |          |          | ]            |                 | 91       |               | $\perp$         | H.              | $\downarrow$ | 1         | #            | $\perp$            | ] [                      |          | 141               | 寸                | 工       | H               |                |          | $\Box$         |   |
|  | Н                         | 43            | H               | +            | +      | +         | H         | $\dashv$ | +        |              | -               | 92<br>93 | +             | +               | $\vdash \vdash$ | +            | +         | +            | +-                 |                          |          | 142<br>143        | $\dashv$         | +-      | $\vdash \vdash$ | +              | +-       | +              |   |
|  |                           | 44            | $\prod$         | 7            |        | L         | $\square$ |          |          |              |                 | 94       | 丰             | 1               | 口               | #            | #         | $\bot$       | 1                  |                          |          | 144               | 1                | 士       |                 | $\bot$         |          | 廿              |   |
|  |                           | 45<br>46      | ╫               | -            | +      | +         | Н         |          | +-       | -            |                 | 95<br>96 | -             | +               | $\vdash$        | +            | +         | +            | ╀                  |                          |          | 145<br>146        | $\dashv$         | +       | $\vdash$        | -              | -        | +              |   |
|  |                           | 47            | $\parallel$     | $\downarrow$ | 士      |           | $\square$ |          |          | ],,          |                 | 97       | 士             |                 | 士               | $\perp$      | 士         |              |                    |                          |          | 147               |                  | 士       |                 | 士              |          | $\pm 1$        |   |
|  | $\vdash$                  | 48<br>49      | ╫               | +            | +      | +         | H         | $\dashv$ | -        | -            | $\vdash \vdash$ | 98<br>99 |               | +               | $\vdash \vdash$ | +            | +         | +            | +                  |                          |          | 148<br>149        | $\dashv$         | $\perp$ | $\Box$          | $\bot$         | + T      | $\Box$         |   |
|  |                           | 50            | V               | 1            | 土      |           | П         | 士        | 上        | ]            |                 | 100      | $\perp$       |                 |                 | $\pm$        | $\pm$     |              | $\perp$            | 1 - [                    |          | 150               | $\exists$        | $\pm$   | $\vdash$        | +              | ++       | +              |   |